26253

15.8600 2209, 1555

S/194/61/000/001/020/038
D216/D304

AUTHORS: Akutin, M.S., Parlashkevich, N. Ya., Kogan, I.N., Kalinina, S.P. and Menes, L.I.

TITLE: The use of ultrasonics for obtaining bloc-and graft-polymers

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika, no. 1, 1961, 15, abstract 1 E130 (V Sb. Primeneniye ul'traakust. k issled. veshchestva, no. 10, M., 1960, 47-59)

TEXT: Results are given of preliminary qualitative experiments aimed at assessing the possibility of obtaining, with the help of ultrasonic, bloc- and graph-polymers based either on fluoro-polymers of polysiloxanes or on polymethyl methacrylate, ethyl-cellulose, PVC, phenolics etc. The role of ultra acoustics in this case is to split the polymer molecules into free macro-radicals by cavitation, by friction forces between the polymer molecules and the solvent, by varying gradients of velocity and acceleration

Card 1/2

according to the length of the molecules, and by certain other phenomena. The recombination of free macro-radicals of various polymers results in the formation of other polymers having new physical properties. The properties of two samples are given which have been obtained with the use of ultrasonics. The ultrasonic installation for obtaining bloc- and graft-polymers is described. Quartz (frequency 550 Kc/s, intensity 15 W/cm^2) and barium titanate (frequency 800 Kc/s and intensity 8 W/cm^2) have been used as radiators.

L 7021-66

ACC NR: AP5026821 SOURCE CODE: UR/0286/65/000/017/0096/0096

INVENTOR: Menes, L. I.; May, A. V.

58
23

ORG: none

TITLE: An instrument for measuring the speed of ultrasonic waves in liquids. Class 42, No. 174454

AM

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 17, 1965, 96

TOPIC TAGS: electronic measurement, ultrasonic wave

ABSTRACT: This Inventor's Certificate introduces an instrument for measuring the speed of ultrasonic waves in liquids. The unit contains a trigger generator, acoustic pickup, amplifier, shaper, detector, coincidence stage, retarded blocking generator, voltage amplifier, rectifier and frequency meter. Measurement accuracy is increased by using an electronic pulse counter for n-echo pulse reading. This counter is connected between the shaper and the coincidence stage. The blocking generator is connected to the coincidence stage.

SUB CODE: EC,GP/ SUBM DATE: 03Apr64/ ORIG REF: 000/ OTH REF: 000

Card 1/2 UDC: 531.767 : 534-8-14

0701 1722

L 7021-66
ACC NR: AP5026821

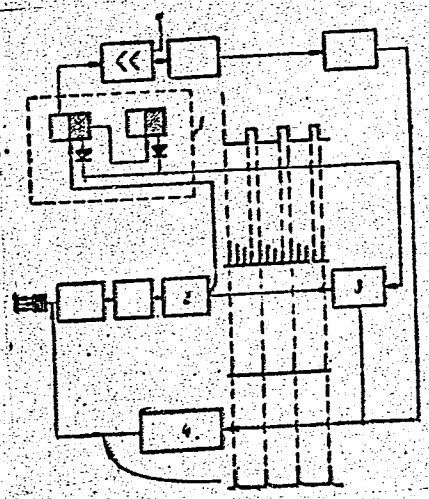


Fig. 1. 1 - electronic pulse counter; 2 - shaper; 3 - coincidence stage; 4 - retarded blocking generator.

Card 2/2

ACC NR: AP7001440 (N) SOURCE CODE: UR/0413/66/000/021/0165/0166

INVENTORS: Menes, L. I.; May, A. V.; Boguslavskiy, V. L.

ORG: none

TITLE: A device for inspecting consecutive pumping of dissimilar liquids. Class 24, No. 188170 [announced by Special Construction Bureau "Transneft'avtomatika" (Spetsial'noye konstruktorskoye byuro "Transneft'avtomatika")]

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 21, 1966, 165-166

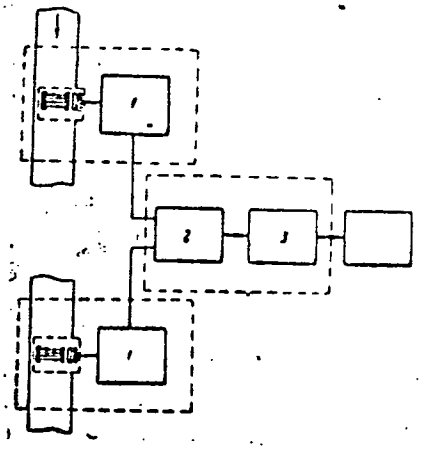
TOPIC TAGS: petroleum industry equipment, petroleum product, measuring instrument, pipe flow

ABSTRACT: This Author Certificate presents a device for inspecting pumping of dissimilar liquids, such as petroleum products, along pipes. The device contains an acoustical gauge inserted into the pipe, an annular starting unit with an electronic pulse counter, and an automatic recorder (see Fig. 1). To obtain the readings in percent of the mixture concentration, the device is provided with an additional annular starting unit including an electronic pulse counter. This unit is installed farther along the pipe than the first one by a distance filled with the mixture. The outputs of both units are connected to a mixer with a frequency meter.

Card 1/2 UDC: 532.57:534-8

ACC NR: AP7001440

Fig. 1. 1 - annular starting units; 2 - mixer; 3 - frequency meter



Orig. art. has: 1 figure.

SUB CODE: 11/ SUBM DATE: 09Aug65

Card 2/2

MENES, V. G.

Menes, V. G. -- "Investigation of the Method of Biothermic Decontamination of Urban Wastes." Published by the Min Communal Economy RSFSR. Academy of the Communal Economy imeni A. D. Pamfilov. Moscow, 1956. (Disseration For the Degree of Candidate in Technical Sciences).

So: Knizhnaya Letopis', No. 11, 1956, pp 103-114

MENES, V.I., [illegible] nauchnyy sotrudnik, kand.tekhn.nauk

Improved methods of decontaminating municipal solid refuse. Sbor. nauch.trud.RNII AKKH no.2:61-67 '63.

(MIRA 18:10)

SOV/124-58-11-13410

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 11, p 210 (USSR)

AUTHOR: Menes, Zh. I.

TITLE: The Dependence on Inelastic Deformations of the Bearing Strength of Flexible Reinforced-concrete Elements (Zavisimost' nesushchey sposobnosti izgibayemykh zhelezobetonnykh elementov ot neuprugikh deformatsiy)

PERIODICAL: V sb.: Issled. po betonu i zheiezobetonu. Nr 2. Riga, AN LatvSSR, 1957, pp 113-126

ABSTRACT: A rheological model, consisting of two elastic and one viscous elements, is used. In order to make the properties of the model approximate the real properties of the concrete, the elastic and viscous coefficients of the moments are determined as functions of the deformation. The bearing strength of the model is determined from an examination of the deformability of the model under the action of a constant external load. A description is provided of bending tests made on reinforced-concrete beam models with short-term loadings, permitting the construction of creep curves. It is shown that the relationship found for the bearing strength of the

The Dependence on Inelastic Deformations of the Bearing Strength (cont.)

model can be applied to the calculation of flexible reinforced-concrete elements.
Bibliography: 13 references.

S. A. Ivanov

MENES, Zh. I., Cand Tech Sci -- (diss) "Interconnection between deformations caused by creep and destructive loading of compressed and buckling reinforced concrete elements and its utilization in the testing of structures." Riga, 1960. 22 pp with illustrations; (Riga Polytechnic Inst); 200 copies; price not given; (KL, 25-60, 133)

USSR/Cultivated Plants - Potatoes. Vegetables. Melons. etc. M.

Abs Jour : Ref Zhur - Biol., No 4, 1958, 15 642

Author : B.M. Menesku

Inst : Kuban Agricultural Institute.

Title : The Effect of Seed Size on the Radish Yield. (Vliyaniye velichiny semyan na urozhay redisa).

Orig Pub : Sb. stud. nauchn. rabot. Kubansk. s.-kh. in-t, 1956, (1957), vyp. I, 89-93.

Abstract : No abstract.

Card 1/1

Title : Forced Vegetable Crop in Velingrad (Bulgaria). (Vygonochnaya kultura ovoshchey v Velingrade ((Bolgariya))).

Orig Pub : Gradinarska i Lozarska, 1957, 6, No 2, 30-34

Abstract: The methods of raising tomatoes, cucumbers, red cayenne in the Velingrad hot houses are described.

Card : 1/1

MENESKU, B.

MENESKU, Buzhor. Cand Agr Sci -- (diss) "Problems of the cultivation of tomato seedlings in protected soil." Mos, 1958. 20 pp (Mos Order of Lenin Agr Acad im K. A. Timiryazev) (KL, 52-58, 105)

MENESKU, B. [Menescu, B.] Kand.sel'skokhozyaystvennykh nauk

Light conditions in greenhouses and measures for their improvement.
Izv. TSKhA no.6:102-112 '60. (MIRA 13:12)
(Greenshouses)

MENESCU, M.

2-58-3-8/17

AUTHOR: Menesku, M., Corresponding Member of the Rumanian Academy of Sciences, Professor

TITLE: Rumania on the Road to Socialism (Rumyniya na puti stroitel'-stva sotsializma)

PERIODICAL: Vestnik Statistiki, 1958, Nr 3, pp 47-55 (USSR)

ABSTRACT: The author illustrates the postwar progress of Rumania by giving extensive extracts from the 1957 first issue of the "Statistical Yearbook of the Rumanian People's Republic" published by the Central Statistical Administration. There are 8 tables and one non-Soviet reference.

Card 1/1

MENESCU, RADU.

Features of wholesale price formation in the Rumanian People's Republic. Fin.SSSR 17 no.10:30-42 O '56. (MLRA 9:11)

1. Pervyy zamestitel' ministra finansov Rumynskoy Narodnoy Respubliki.
(Rumanian prices)

HUNGARY

ZOLTAN, Janos, Dr., MENESI, Laszlo, Dr., and Mrs. PAPP, Ferenc, of the Hygienic Service for the People's Army in Hungary (Magyar Nephadsereg Egeszsegugyi Szolgalata)[location not given].

" Application of Terracortril Spray in Plastic Surgery"

Budapest, Orvosi Hetilap, Vol 107, No 28, 10 Jul 1966, pp 1318-1320.

Abstract: The authors describe their experiences in the application of Terracortril spray (manufactured by Pfizer) containing broad-base antibiotic substance and hydrocortisone in plastic surgery on the basis of 850 cases. The experiences are favorable and illustrate the versatility of the spray. No references.

1/1

1

Metallic complexes of *N,N*-bis(carboxymethyl)anthranilic acid. C. Drăgulescu, T. Simonescu, I. Menessy, and R. Anton. *Acad. rep. populare Romîne, Baza cercetări ştiinţ. Timişoare, Studii cercetări ştiinţ., Ser ştiinţe chim.* 6, No. 3–4, 9–19(1959).—Cu complexes with the title compd. (ANDA) were studied photometrically. The results show that this acid forms with Cu a complex (1 Cu:1 acid). A 1:1 complex is formed which follows the Lambert-Beer law, the instability const. of the complex is $K_{Cu} = 3.05 \times 10^{-6}$ for ionic strength $\mu = 0.1$. Using this complex the consts. for the resp. complexes of Ni and Th were also calcd.: $K_{Ni} = 1.62 \times 10^{-6}$ and $K_{Th} = 1.01 \times 10^{-19}$ for $\mu = 0.1$. The complex Cu-ANDA was isolated and studied. The anion [Cu(ANDA)]$^-$ is the anion of a strong acid in which the Cu ion has the coördination 4, being bound to 3 carboxyl groups and one N. The acid can be titrated potentiometrically with NaOH. The Na salt Na[Cu(ANDA)] also was prepd. and isolated. This salt was used for the gravimetric detn. of Ag as slightly sol. Ag[Cu(ANDA)]. The Ni salt K[Ni(ANDA)].$2H_2O$ was also prepd. and isolated.

C. Heitner-Wirguin

5
1-Mg (NA)
1-Mg (Mny)

DRAGULESCU, C., prof.; SIMONESCU, T.; MENESSY, I.

On the photocolorimetric titration of thorium with the pyrocatechol violet. Studii chim Timisoara 6 no.3/4:21-26 Jl-D '59. (EEAI 10:4)

1. Academia Republicii Populare Romine, membru corespondent al Academiei R.P.R.; Comitetul de redactie, Studii si cercetari stiinte chimice, redactor responsabil (for Dragulescu)
(Colorimetry) (Thorium) (Chelatometry)
(Pyrocatechol Violet)

DRAGULESCU, C., prof.; SIMONESCU, T.; MENESSY, I.; ANTON, R.

Metallic complexes of the anthranilic-N,N-diacetic acid. II. On the comples [Fe^{III}-ANDA]. Studii mat Timisoara 7 no.1/2:9-13 Ja-Je '60. (EEAI 10:4)

1. Membru correspondent al Academiei R.P.R., Comitetul de redactie, Studii si cercetari, Stiinte chimice, Baza de Cercetari stiintifice Timisoara, redactor responsabil (for Dragulescu).
(Compex compounds) (Benzisoxazole) (Acetoacetic acid)
(Iron)

DRAGULESCU, C., prof.; SIMONESCU, T.; MENESSY, I.; ANTON, Rozalia

Metallic complexes of the anthranilic-N, N-diacetic acid. Note III. Studii chim Timisoara 8 no.1/2:9-15 Ja-Je '61.

1. Membru corespondent al Academiei Republicii Populare Romine; Comitetul de redactie, Studii si cercetari, stiinte chimice [Academia Republicii Populare Romine, Baza de Cercetari Stiintifice Timisoara], redactor responsabil (for Dragulescu).

(Organometallic compounds) (Anthranilic acid)
(Acetoacetic acid)

DRAGULESCU, C., prof.; SIMONESCU, T.; MENESSY, I.

Photocolorimetric determination of copper with ANDA. Studii chim Timisoara 8 no.1/2:113-116 Ja-Je '61.

1. Membru corespondent al Academiei Republicii Populare Romine; Comitetul de redactie, Studii si cercetari, stiinte chimice [Academia Republicii Populare Romine, Baza de Cercetari Stiintifice Timisoara], redactor responsabil (for Dragulescu).

(Copper) (Anthranilic acid) (Acetoacetic acid)

DRAGULESCU, C.; TRIBUNESCU, P.; MENESSY, I.

Solubility and thermal comportment of beryllium double oxalates with potassium, sodium, and ammonium. Studii chim Timisoara 9 no.3/4:197-204 Jl-D '62.

1. Membru corespondent al Academiei R.P.R. (for Dragulescu).

DRAGULESCU, C.; SIMONESCU, T.; MENESSY, I.; ANTON, R.

Metallic complexes of anthranildiacetic acid and their analytic utilization. Rev chimie 7 no. 1: 161-167 '62.

1. Academie de la R.P.R., Base scientifique de Timisoara.
2. Membre Correspondant de l'Academie de la R.P.R. (for Dragulescu)

L 18930-63 EWT(d)/EWT(l)/EWT(m)/BDS/T-2 AFFTC/ASD/APGC

P/0044/63/000/007/0029/0034

ACCESSION NR: AP3003542

56

AUTHOR: Menet, J. (Major, pilot, graduate engineer)

TITLE: Flight performance of TS-11 "Iskra" airplane

SOURCE: Wojskowy przeglad lotniczy, no. 7, 1963, 29-34

TOPIC TAGS: aircraft, training aircraft, TS-11 "Iskra" trainer, flight performance, military aviation, aerobatics, Polish aircraft

ABSTRACT: Author discusses performance characteristics of the TS-11 "Iskra" turbojet training plane. Brakes are efficient and hold the plane in place while making tight turns either on concrete or sod. Shock absorption during taxiing is very good, even along uneven ground. Tire width makes it easy to taxi and take-off from a sandy surface. Plane can take-off with a cross wind of 15 m/sec at right angles to the plane. The nose wheel rises easily at air speeds of 100 to 120 km/hour. Thrust to weight ratio is high with result that take-off run is long. Take-off speed is 170-190 km/hour. After plane leaves the ground, it climbs to a low angle and airspeed increases gradually. Inexperienced pilots may make the mistake of lifting the aircraft off the ground at too low a speed, raising the

Card 1/2

L 18930-63

ACCESSION NR: AP3003542

nose so high that the critical angle of attack is exceeded. Aerodynamic braking system is efficient. Permissible speed at high altitude is limited to Mach 0.9; to 750 km/hour at low altitude. Author lists performance characteristics of plane while executing loop, hammer-head stall, Imelmann turn, chandelle and slow roll. Additional data pertaining to minimum and stalling speeds and spins is listed. Plane is equipped for day and night training under difficult conditions. Plane can also be used for group flight instruction, cross-country flight instruction, aerial dogfight training, and for instruction in knocking out ground targets. Orig. art. has: no graphics.

ASSOCIATION: none

SUBMITTED: 00	DATE ACQ: 05Aug63	ENCL: 00
SUB CODE: AC, AE	NO REF SOV: 000	OTHER: 000

Card 2/2

MENG, V. V. Cand Tech Sci -- (diss) "Experimental Study of [illegible] Modes of Interlocking in Higher Kinematic Pairs With Linear Contact." Tallin, 1957. 28 pp [illegible] with diagrams, 20 cm. (Min of Higher Education [illegible] USSR, Tallin Polytechnic Inst, Chair of the ~~Foundations~~ Principles of Machine Building), 100 copies (KL, 26-57, 108)

MENG, V.V.

Investigating the seizure of steel during tests on a roller machine. Tren.i izn. mash. no.14:222-239 '60.
(MIRA 13:8)
(Steel--Testing)

S/191/62/000/003/010/010
B101/B147

AUTHORS: Shannikov, V. M., Meng, V. V.

TITLE: Method of short time creep tests of plastics

PERIODICAL: Plasticheskiye massy, no. 3, 1962, 67-69.

TEXT: A report is given on creep tests of plastics with the aid of a ПБМ(PBM) Brinell press allowing loads between 55 and 3000 kg. Five different tensions σ below the proportionality limit σ_p are to be applied. No less than three specimens are to be tested at each tension for at least 100 hrs. Deformation is to be measured especially within the first 30-50 hrs and at intervals of not less than 4-8 hrs. A П-68 (P-68) resin was used to show that $\varepsilon = k\tau^n$ (1), where ε is the relative deformation, k is a coefficient, τ is the time (hrs), and $n = \tan\alpha$ is the gradient of the straight line $\varepsilon = f(\tau)$ in logarithmic coordinates. Furthermore, $\log k = \log A + m \cdot \log \sigma$; $m = \tan\beta$ is the inclination of the straight line $k = f(\sigma)$ in logarithmic coordinates. $A = k_{\sigma_o}/\sigma_o^m$, where k_{σ_o} is the coefficient k at σ_o (for P-68, σ_o was 100 kg/cm^2). $k = A\sigma^m$ substituted

Card 1/2

Method of short time creep ...

in Eq. (1) yields $\varepsilon = A\sigma^m\tau^n$ which holds for $\tau \geqslant 1$ hr, $\sigma \geqslant \sigma_o$. At a constant σ (400 kg/cm^2), for P-68, AK -7 (AK-7) resin, capron, cord capron, and viniplast, comparative estimation is already possible after 10-20 hrs. There are 6 figures and 1 Soviet reference.

Card 2/2

S/191/62/000/012/014/015
B101/B186

AUTHORS: Shannikov, V. M., Meng, V. V.

TITLE: Problem of the deformation of plastics under permanent compression

PERIODICAL: Plasticheskiye massy, no. 12, 1962, 62-65

TEXT: At room temperature, the deformation under static compression was determined as a function of time and load for caprone (I), П-68 (P-68) polyamide resin (II), АК-7 (AK-7) resin (III), and cordcaprone (IV). The empirical equation was found: $\varepsilon = A\sigma^m\tau^n$, where ε = relative deformation, σ = compression, kg/cm^2, τ = time, hrs. For I, $A = 8\cdot10^{-6}$, $m = 1.6$, $n = 0.08$; for II, $A = 4.8\cdot10^{-6}$, $m = 1.6$, $n = 0.04$; for III, $A = 1.6\cdot10^{-6}$, $m = 1.7$, $n = 0.09$; for IV, $A = 0.2\cdot10^{-6}$, $m = 1.9$, $n = 0.11$. The equation holds for the region $\sim 200 > \tau \geqslant 1$ hr, $\sigma_n > \sigma \geqslant 100$ kg/cm^2, where σ_n is the limit of proportionality which is 410 kg/cm^2 for I, 715 for II, 630 for III and 850 for IV. When a minimum

Card 1/3

Problem of the deformation of ...

load σ_{min} is exceeded, the deformations occurring at different loads after 1 sec differ from those occurring after 100 hrs. σ_{min} (in kg/cm^2) was 85 for I, 45 for II, 80 for III, 205 for IV, 145 for viniplast. It is emphasized that A, m, n, and σ_{min} may differ in value as between plastics of the same type but of different origin. With compressions near σ_n, considerable deformations occur at the end of the creeping process. The empirical equation is given: $\varepsilon_{fin} = B\sigma^k$. Values found for I: $B = 6.8 \cdot 10^{-6}$, $k = 1.7$; for II: $B = 4.5 \cdot 10^{-6}$, $k = 1.7$; for III: $B = 1.1 \cdot 10^{-6}$, $k = 1.8$; for IV: $B = 0.07 \cdot 10^{-6}$, $k = 2.2$. For $\sigma = 400$ kg/cm^2, the ratio $\varepsilon_I : \varepsilon_{II} : \varepsilon_{III} : \varepsilon_{IV} \simeq 6:4:2:1$. The final deformation of viniplast was calculated from $\varepsilon_{fin} = 0.04 \cdot 10^{-6} \sigma^{2.3}$ and compared with the data of N. T. Smotrin (Mekhanicheskiye svoystva viniplasta i osnovy rascheta yego na prochnost' [Mechanical properties of viniplast and principles for calculating its strength], Candidate dissertation, 1951). The calculated values were of the same order as the experimental values

Card 2/3

Problem of the deformation of ...

found in long-period tests (up to 7000 hrs). To avoid long testing times it is recommended to test with a deformation rate of $\varepsilon' = 5 \cdot 10^{-5}$ hr^{-1} and to assume a value increased by 10-20% for the final deformation. There are 7 figures.

Card 3/3

L 23394-66 EWP(k)/EWT(m)/EWP(t) IJP(c) JD

ACC NR: AP6000637 SOURCE CODE: UR/0437/65/000/001/0047/0048

AUTHOR: Stanek, Y. (Novoye Mesto nad Vagom); Meng, Siy Ing (Novoye Mesto nad Vagom); Zubak, Y. (Novoye Mesto nad Vagom); Zhukha, Y. (Novoye Mesto nad Vagom)

ORG: VUMA Institute, Czechoslovakia (VUMA Institut)

40
B

TITLE: Electrochemical grinding of metal-ceramic alloys

SOURCE: Elektronnaya obrabotka materialov, no. 1, 1965, 47-48

TOPIC TAGS: electrochemical grinding, metal ceramic material

ABSTRACT: These experimental results of electrochemical grinding of cutting tools and dies are briefly reported: (1) Both outer and inner surfaces can be ground by the electrochemical method; (2) As the process is "cold," no defective layer is formed on the surface; (3) With a current density of 50 amp/cm^2, the productivity is 60 mm^3/min, the roughness of the resulting surface being 0.4 μ; (4) The attainable error is $\pm$0.03 mm; (5) The nonhardened-steel grinding wheel wear is 0.1 mm after the grinding of 20 pieces; (6) The cost of electrochemical grinding is one-half the cost of abrasive grinding. Orig. art. has: 2 figures.

SUB CODE: 13 / SUBM DATE: none

Card 1/1 10

2

MENGEL', E. Y.

AMOSOV, F.V., inzh.; GAMUS, I.M., inzh.; GARKAVI, Yu.Ye., inzh.; GOL'SHMAN, G.S., inzh.; YEVDOKIMOV, A.A., inzh.; YEREMEYEV, A.S., inzh.; ZHMUD', A.Ye., inzh.; KELAREVA, N.N., inzh.; KLOCHKOV, A.P., inzh.; LANG, A.G., inzh.; MENGEL', E.Ya., inzh.; MOROZOV, A.A., prof., doktor tekhn.nauk [deceased]; SEREBRYAKOV, G.M., inzh.; SMIRNOV, I.N., dotsent, kand.tekhn.nauk; SMIRNOV, M.I., dotsent; SHCHAVELEV, D.S., prof., doktor tekhn.nauk; SHCHERBINSKAYA, N.N., inzh.; KOVALEV, N.N., red.; MOZHEVITINOV, A.L., red.; ZABRODINA, A.A., tekhn.red.

[Turbine equipment of hydroelectric power stations: handbook on designing] Turbinnoe oborudovanie gidroelektrostantsii; rukovodstvo dlia proektirovaniia. Izd. 2., perer. i dop. Pod obshchei red. A.A. Morozova. Moskva, Gos. energ. izd-vo, 1958. 519 p. (MIRA 12:1)

1. Vsesoyuznyy institut "Gidroenergoproyekt," Leningradskoye otdeleniye.

(Hydraulic turbines)

MENGEL, S.

Tasks of the contemporary organization of the automobile industry.
Przegl techn 84 no.33:4,8 18 Ag '63.

mengelberg, margarete

7

2-(α-Aminoalkyl)benzimidazoles. Margarete Mengelberg (Humboldt Univ., Berlin). *Chem. Ber.* 92, 977–81 (1959).—o-$C_6H_4(NH_2)_2$ (I) (1.0 g.) and 2.7 g. $PhCH_2O_2CNHCH_2C(:NH)OEt.HCl$ in MeOH refluxed 2 hrs. and after 24 hrs. evapd. *in vacuo*, and the residue stirred with H_2O gave 2.8 g. *2-(carbobenzyloxyaminomethyl)benzimidazole* (II), m. 144° ($MeNO_2$). II in EtOH treated with dry HCl gave II.*HCl*, platelets, m. 222–3° (abs. EtOH), with gas evolution. II or II.HCl in aq. alc. soln. treated with picric acid gave the *picrate* of II, m. 196° with sintering from 150° (aq. EtOH). *p*-$MeC_6H_4SO_2NHCH_2C(:NH)OEt.HCl$ (1.5 g.) and 0.5 g. I in MeOH refluxed 2 hrs., kept 24 hrs. at room temp., and evapd. *in vacuo*, and the residue digested with H_2O and recrystd. from 1:1 EtOH–H_2O gave 1.5 g. *2-(p-tosylaminomethyl)benzimidazole* (III), m. 166°. A concd. alc. soln. of III treated with dry HCl yielded III.*HCl*, platelets, m. 207–8° (decompn.) ($MeNO_2$); *picrate*, prisms, m. 210°. *p*-$MeC_6H_4SO_2NHCMe_2C(:NH)OEt.HCl$ (IV) (3.2 g.) and 1.0 g. I dissolved in a small amt. of hot EtOH and allowed to stand 24 hrs. deposited 0.3 g. *p*-$MeC_6H_4SO_2NHCMe_2CONH_2$, m. 227–8°; the mother liquor dild. carefully with H_2O deposited 2.7 g. *2-[α-(p-tosylamino)isopropyl]benzimidazole* (V), prisms, m. 188–9°; V.*HCl*, prisms, m. 100–20° and 204–6°; V.*HBr* m. 105–15° and 216–18° (H_2O); *picrate*, prisms, m. 214–15° (EtOH). IV (3.2 g.) and 1.0 g. I yielded similarly 2.9 g. *2-[α-(p-tosylamino)propyl]benzimidazole* (VI), prisms, m. 187–8° ($MeNO_2$); VI.*HCl*, prisms, m. 188–9° (from MeOH–Et_2O) (plates from $MeNO_2$); *picrate*, prisms, m. 194–5°. *p*-$MeC_6H_4SO_2NHCHPhC(:NH)OEt.HCl$ (1.8 g.) and 0.5 g. I yielded 1.6 g. *2-[α-(p-tosylamino)benzyl]benzimidazole* (VII), m. 169–71° (EtOH). VII treated with aq. or alc. HCl gave VII.*HCl*, prisms, m. 231–2° (decompn.) ($MeNO_2$); *picrate*, prisms, m. 204–5°.

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(decompn.). *p*-$MeC_6H_4SO_2NHCEtMeC(:NH)OEt.HCl$ (VIII) heated to 150° until the EtCl evolution ceased (or dissolved in 2 parts concd. H_2SO_4 and poured after 24 hrs. onto ice), and the crude product recrystd. from EtOH yielded *p*-$MeC_6H_4SO_2NHCEtMeCONH_2$ (IX), prisms, m. 187–8° (EtOH). VIII and I (equimolar amts.) refluxed in MeOH and the crude product washed with H_2O and crystd. from EtOH gave IX, m. 187°. II (1.0 g.) dissolved in 5 cc. warm glacial AcOH, treated with 10 cc. 33% HBr in AcOH, dild. after 1 hr. with Et_2O, and filtered after 24 hrs. gave 1.1 g. *2-(aminomethyl)benzimidazole·2HBr* (X.2HBr), prisms, m. 264–5° (abs. EtOH). III (0.5 g.) in 80 cc. liquid NH_3 treated at −35° with 0.2 g. Na in portions, the soln. decolorized with NH_4Cl, the NH_3 evapd., the residue dissolved in dil. AcOH, the soln. filtered through C, and the filtrate treated with picric acid yielded 1.0 g. *dipicrate* (XI) of X, m. 226° (decompn.) (H_2O). XI decompd. with dil. HCl and C_6H_6, and the product recrystd. from EtOH yielded X.2HCl.0.5H_2O, prisms, m. 120° and 267–8°. V was converted similarly to the *dipicrate* of *2-(α-aminoisopropyl)benzimidazole* (XII), m. 210° (EtOH), in 80% yield; the dipicrate treated with dil. HCl and C_6H_6, or the free XII in EtOH treated with dry HCl yielded XII.*2HCl.0.5H₂O*, prisms, m. 125° and 235–8°. XII.2HCl.0.5H_2O treated with NH_4OH and $CHCl_3$, and the resulting free base crystd. from $MeNO_2$ gave XII, prisms, m. 238° ($MeNO_2$). VI was converted in the usual manner to *2-(1-aminopropyl)benzimidazole* (XIII) in 80% yield and isolated as the *monopicrate*, prisms, m. 218–19° (decompn.) (EtOH). The monopicrate decompd. with dil. HCl and C_6H_6 and extd. with $CHCl_3$, the free base dissolved in alc. HCl, the soln. evapd., and the residue digested

Mengelberg, Margarete

with EtOAc and recrystd. from alc. HCl gave XIII.*2HCl*.-*0.5H₂O*, platelets, m. 165–8°. VII was converted in the usual manner to 80% 2-(*α-aminobenzyl*)*benzimidazole* (XIV), which was isolated as the *monopicrate*, prisms, m. 179–81° (decompn.). The monopicrate was converted in the usual manner to XIV.*2HCl*, m. 227–9° (decompn.). XIV.2HCl treated with NH_4OH and $CHCl_3$, and the $CHCl_3$ layer worked up gave XIV, prisms, m. 201–3° ($MeNO_2$).

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RICICA, J.; MENGER, J.; ABRAHAM, J.

Apparatus for the slow and continuous addition of clear sterile solutions. Folia microbiol 6 no.2:138-140 '61. (EEAI 10:5)

1. Department of Microbiology and the Workshop, Institute of Biology, Czechoslovak Academy of Sciences, Prague 6.
(CZECHOSLOVAKIA--MICROBIOLOGY)

MENGER, KARL

Menger, Karl. Stieltjes integrals considered as lengths. Duke Math. J. 11 (1944), 173–175. (1949).

Necessary and sufficient conditions are given in order that the "length" of the interval $[a, b]$ derived from a "distance" $d(x, y)$, be a left side Stieltjes integral, i.e., the limit of the sums $\sum f(x_i)[g(x_{i+1}) - g(x_i)]$. The conditions are: (1) $d(x, y)d(y, z) + d(y, x)d(x, z) = d(x, y)d(y, x)$ and (2) $d(x, z)d(y, w) \leq d(y, z)d(x, w)$ whenever $0 < d(x, y) < d(x, z)$.

L. C. Young (Madison, Wis.).

(Mathematical Reviews, Vol. 11 No. 1)

MENGER, Kh.

Determining the period of sensitivity to diethylstilbestrol during gonadic differentiation in chicken embryos. Dokl.AN SSSR 133 no.5:1255-1258 Ag '60. (MIRA 13:8)

1. Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova. Predstavleno akad. I.I.Shmal'gauzenom.
(Sex--Cause and determination)
(Stilbenediol)
(Embryology--Birds)

GEORGESCU,Miron; ENESCU,Viorica; STANESCU,Stelian; GEORGESCU,Mircea; SUCHIANU,Gh.; STEINBACH,Marc; MENGONI,Maria

Hypertensive disorders in performing athletes. Probl. card., Bucur. 4:171-184 '59.
(HYPERTENSION)
(SPORTS, effects injurious)

ENESCU,Viorica; GEORGESCU,Miron; GEORGESCU,Mircea; MINGONI-BARBULESCU,I.

Correlations between systemic hemodynamic disorders and the stages of clinical evolution of hypertensive disease. Probl. ter.,Bucur. 10 no.3:35-49 '59.
(HYPERTENSION pathology)
(CARDIOVASCULAR DISEASES complications)

MENGRIS, I.

Opinion of the Kuldiga Machine-Tractor Station.

P. 7. (PADOMJU LATVIJAS KOLCHOZNIEKS) (Riga, Latvia) Vol. 10, No. 1, Jan. 1958

LC: Monthly Index of East European Accession (EEAI) LC. Vol. 7, No. 5, 1958

MENHART, Milan

The Barkas sanitary car. Automobil Cz 9 no.3:10 Mr '65.

MENIAS, E., doktor.

Ne variant of suture in cesarean section with transverse incision of the lower segment. Akush. i gin. 39 no.4:114 Jl-Ag'63 (MIRA 16:12)

1. Iz kliniki ginekologii i akusherstva No.1(dir. - prof. doktor D. Kepriora [Capriora,D.], Kluzh, Rumynskaya Narodnaya Respublika.

MENICH, J.

Ferenc Feuer's A gepkocsivezeto szerepe a TMK-ban (Role of Automobile Drivers in Planned and Preventive Maintenance); a book review, p. 234, JARMUVEK MEZOGAZDASAGI GEPEK (Dolgozo Ifjusag Szovetsege) Budapest, Vol. 3, No. 8, Aug. 1956

SOURCE: East European Accessions List (EEAL) Library of Congress, Vol. 5, No. 11, November 1956

MENICHENKO, F.

Efforts to achieve the title of communist labor. Rech. transp. 20 no.10:31 O '61. (MIRA 14:9)

1. Nachal'nik Khabarovskoy remontno-ekspluatatsionnoy bazy flota.

(Socialist competition)

MENIGA, A

V Phosphatidase A activity of Ammodytes viper venom. N. Mulić and A. Meniga (Inst. med. istraživanja, Jugoslav. akad., Zagreb). *Arhiv kem.* 27, 131-6(1955)(in English); cf. *C.A.* 48, 7201*b*.—By paper-strip electrophoresis 7 protein components were sepd. from the venom. The activity of phosphatidase A in the venom is due to one of the sepd. components, the position of which is given on the electrophorogram presented. None of the sepd. components exhibits direct hemolytic activity. N. Plavšić

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(1)

MENIGA, A.

Paper-strip chromatography of proteins. M. Plantanida, A. Menigá, and N. Munić (Yugoslav. Acad. Sci., Zagreb). *Arch. Biochem. and Biophys.* 57, 334–9(1955): cf. *C.A.* 48, 225e.—The previous finding that proteins can be sepd. chromatographically on paper strips by the use of buffer concn. gradients was confirmed. A distinctly different but characteristic migration rate in a Na citrate buffer gradient 1:1000 was demonstrated for protamine (*Mugil cephalus*), human γ-globulin, and bovine-serum albumin. The electrophoretically detected slight inhomogeneity of protamine could be confirmed by chromatography. The rate of migration increased with the acidity of the protein, but was not essentially affected by the pH of the buffer between pH 5.1 and 10.1. Albumin migrated to the front and accumulated in the spots; it also showed a marked tailing effect. The rate of migration increased with the concn., especially at high values; the increase is probably correlated with adsorption. The migration rate of the proteins in mixts. was approx. the same as for the separate substances. The new band which appeared for all mixts. contg. protamine and albumin was probably due to complex formation. Felix Saunders

(2)

MENIGA, A.

4352. Venom of the spider *Lutrodectus tredecimguttatus* Rossi. N. Maid, M. Stanić, and A. Meniga *Hoppe-Seyl. Z. physiol. chem.*, 1956, 305, 70—74 (Inst. f. Med. Unterauch. Jugoslav. Akad., Zagreb, Yugoslavia).—A small quant. of the toxin was deposited on Whatman filter paper by inducing the spider to bite a strip of the paper. On subjecting the strip to electrophoresis 6 protein constituents with different mobilities were distinguishable; 2 further constituents which reacted with ninhydrin were also found. An immune serum for the toxin was prepared by i.v. injection into a donkey. Electrophoresis of the immune serum revealed the presence of a component T, between the β- and γ-globulins, which was not present in the normal serum of the donkey. (German)

P. Hays

MUIC, N.; MENIGA, A.

Paper chromatography of proteins by gradient elution techniques.
Arh. hig. rada 15 no.4:341-351 '64

1. Department of Applied Biochemistry , "A. Stampar" School of Public Health, Medical Faculty, University of Zagreb, Zagreb, Yugoslavia.

MENIGA, A.; MUIC, N.

Gradient elution paper chromatography of crystalline insulin. Arh. hig. rada. 14:165-169 '63.

1. Department of Applied Biochemistry, A. Stampar School of Public Health, Medical Faculty, University of Zagreb, Zagreb Yugoslavia.

S/138/60/000/008/015/015/XX
A051/A029

AUTHOR: Meniker, V.D.

TITLE: Conference on the Problems of Scientific and Technical Information in the Rubber Industry

PERIODICAL: Kauchuk i Rezina, 1960, No. 8, pp. 55 - 56

TEXT: On June 30, 1960, a conference took place in Moscow on the problems of scientific and technical information in the Rubber Industry. It was called together by the Rubber Section of the Moscow Division of the VKhO imeni Mendeleyev and by NIITEKhIM. Employees of the Technical Information Department at the Goskhimkomitet, (State Committee for Chemistry), Moscow Plants and scientific-research institutes of the Rubber Industry, TsBTI of the Mosgorosovnarkhoz and regional libraries took part in the conference. F.I. Yashunskaya and I.A. Lunacharskaya of the Rubber Section at the VKhO imeni Mendeleyev and NIITEKhIM, respectively, reported on the increasing part played by scientific and technical information with regard to distributing general experiences within the country. They pointed out the increased number of publications of scientific and technical books (as many as 1,000 titles). More time (60 - 80%) was devoted by scientific workers to

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Conference on the Problems of Scientific and Technical Information in the Rubber Industry

research and processing of literature material. Employees of scientific libraries, R.V. Taleysnik (NIIShP) and V.A. Baranovich, reported on the importance of using the latest available technical handbooks on recent developments in science, such as: perfo-charts, micro-charts, micro-films, sound-recordings and film apparatus. A scientific bibliography in the respective field is needed. The significance of the VINITI as an organization of technical information was stressed. It publishes the "Referativnyye Zhurnaly", "Khimiya", "Mashinostroyeniye" and a number of express-information sources on rubber. A great deal of informative literature are translations of foreign periodicals. Some of the shortcomings of the publications are: duplications, parallelism, late publications, faulty material submitted. It is recommended that these faults be eliminated by a sharp division of the information-giving circles, the laboratories be subdivided into various sections of the technical and economic information and scientific and technical information. One publication serving the rubber industry should contain all the information on the bibliography for that field (publications by NIITEKhIM). Representatives of the Moscow and Yaroslavl' Tire Plants Ye.B. Poryadkova and N.I. Zatsepin, and Ya.G. Dvorkin of the "Krasnyy Bogatyr'" Plant reported on the new methods of supplying

Conference on the Problems of Scientific and Technical Information in the Rubber Industry

plants with technical information. At the YaShZ Plant, for example, the material is distributed by the director of the plant to the various shops for direct translation. Most speakers at the conference stressed the negligence of technical information, insufficient number of people available for the libraries, insufficient number of books and journals, for example, at the NIITEKhIM, the Central Information Regional Institute as the main obstacles of information. A correspondence network was recommended as an aid for technical distribution of knowledge with paid participants amongst industrial employees. The organization of complex brigades (groups) at the NIITEKhIM of similar shops, laboratories and various departments at the plants, institutes and other organizations was suggested and discussed. These groups would study and summarize the most important work and experience of the various institutions, regarding some of the pertinent problems of production and developing new recommendations for solving these problems. In organizing these groups it was suggested that special emphasis be placed on the various production links. Similar brigades have already been organized dealing with the problems of tire cord impregnation and the work of perliminary shops in the tire

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Conference on the Problems of Scientific and Technical Information in the Rubber Industry

industry. An All-Union Conference is being organized for the IV quarter of 1960, which will deal with the organization of technical and scientific information distribution to the plants of the rubber industry, with directors and employees of the rubber industry, with directors and employees of the technical information services participating, as well as those of the NII and NTB Plants and NIITEKhIM, VINITI and GNTK.

Card 4/4

RASTOROPOVA, S.F.; MENIKER, V.D.

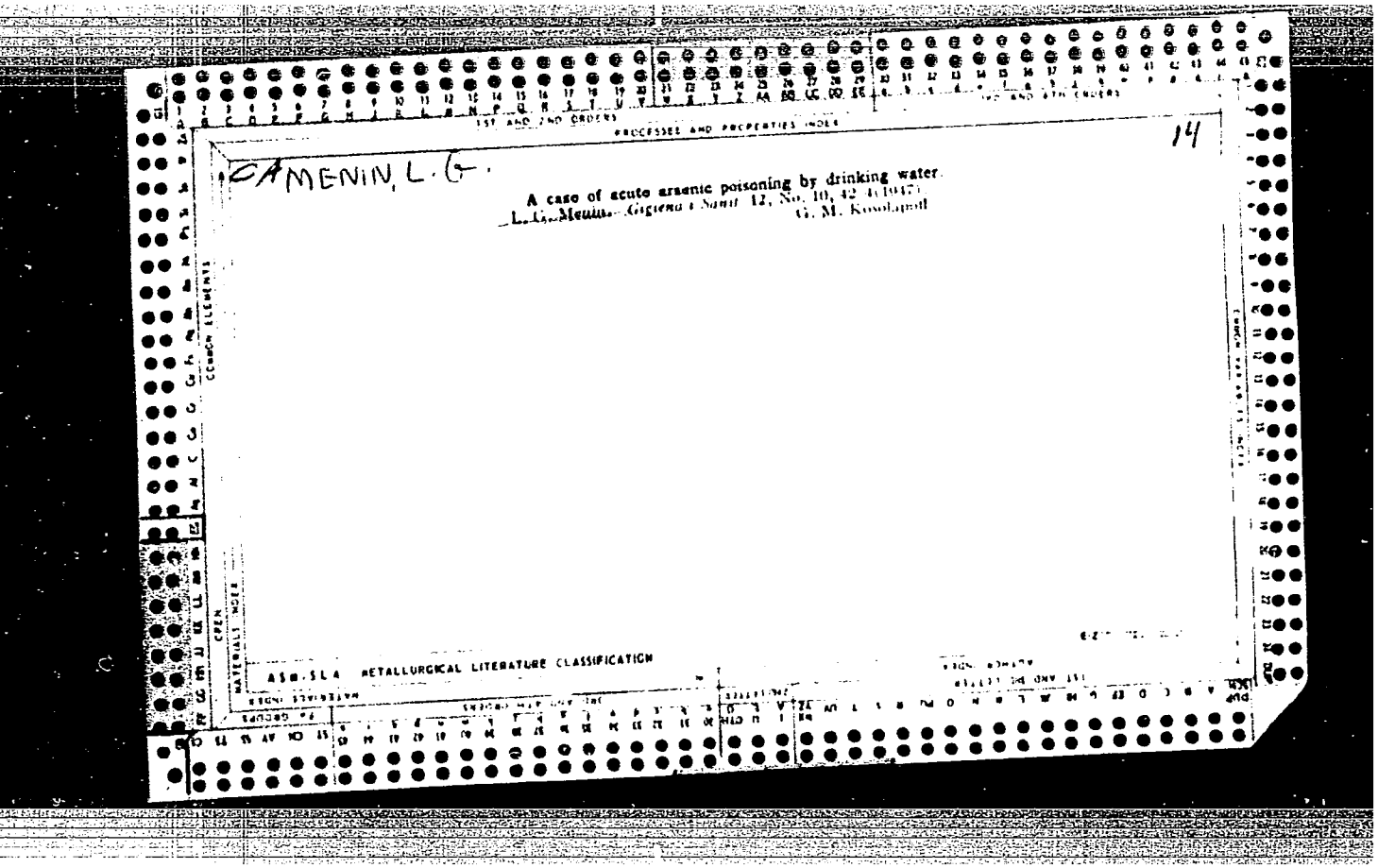
Rubber and fillers in the tire industry of the U.S.A. (from "Kaučuk a plastické hmoty," no.5, 1960). Kauch.i rez. 20 no.3:55-56 Mr '61. (MIRA 14:3)

(United States—Rubber industry)

UL'BREKHT, Ya.; MEMIKER, V.D. [translator]

Reactors for emulsion polarization. Kauch.i rez. 20 no.5:12-15 My '61. (MIRA 14:5)

1. Nauchno-issledovatel'skiy institut sinteticheskogo kauchuka, g. Gotval'dov, Chekhoslovatskaya Sotsialisticheskaya Respublika.
(Czechoslovakia--Rubber, Synthetic) (Polymerization)
(Butadiene)



C.f. MENIN L. G.

11 11

A case of household arsenic poisoning. L. G. Menin. (Voronezh Med. Inst.). *Gigiena i Sanit.* 1950, No. 8, 51-2. —A description is given of mass As poisoning among people working in a room that had been painted with a compn. contg. Paris green. G. M. Kosolapoff

MAZO, A.A., MENIN, L.G. (Voronezh)

Comments on G.I. Knit and E.A. Mezhvinskaia's article "Mineral content of food served in Transcarpathian kindergartens." (MIRA 11:7)
Vop. pit. 17 no.4:89 Je-Ag '58
(MINERALS IN FOOD)

MENINGER, M.

Magnetic amplitude sound recording, p. 87, SDELOVACI TECHNIKA (Ministerstvo strojirenstvi) Praha, Vol. 2, No. 3, Mar. 1954

SOURCE: East European Accessions List (EEAL) Library of Congress, Vol. 5, No. 12, December 1956

MENINGER, M.

Standardization of the magnetic recording of sound. (To be contd. Vol. 3, no. 9, Sept. 1954) p. 173.

NORMALISACE. Praha. Vol. 3, no. 8, Aug. 1954.

SOURCE: East European Accessions List (EEAL), LC, Vol. 5, no. 3, March 1956.

MENINGER, M.

Standardization of the magnetic recording of sound. (Conclusion) p. 192.

NORMALISACE. Praha. Vol. 3, no. 9, Sept. 1954.

SOURCE: East European Accessions List (EEAL), LC, Vol. 5, no. 3, March 1956.

MENINGER, Milan, inz.

Artistic and technical contribution of standardization to musical recording. Normalizace 11 no.6:172-174 Je '63.

1. Vyzkumny ustav rozhlasu a televise, Praha.

BUBLIKOV, A.V.; MENIOVICH, B.I.; ZHURAKOVSKAYA, M.D.

Intensification of the process of slurry flotation. Koks i khim. no. 5:3-9 '61. (MIRA 14:4)

1. Dneprodzerzhinskiy koksokhimicheskiy zavod.
(Flotation) (Coal preparation)

MENIOVICH, B.I.

Ejector-type flotation machine. Biul.tekh.-ekon.inform. no.11: 7-9 '61. (MIRA 14:12)
(Flotation--Equipment and supplies)

MENIOVICH, Boris Iosifovich; VINNIK, Isaak Sholomovich; ANZIMIROV, Georgiy Gur'yevich; SKLOVSKAYA, A.A., otv. red.; KACHALKINA, Z.I., red. izd-va; OVSEYENKO, V.G., tekhn. red.; IL'INSKAYA, G.M., tekhn. red.

[Concentrating mill of the Dneprodzerzhinsk Coke Chemical Plant, an enterprise of communist labor] Obogatitel'naia fabrika Dneprodzerzhinskogo koksokhimzavoda - predpriiatie kommunisticheskogo truda. Moskva, Gosgortekhizdat, 1963. 103 p. (MIRA 16:7)

(Dneprodzerzhinsk--Coal preparation)

MENIOVICH, B.I.; BONDARENKO, N.A.; SKIBA, L.P.

Complete automation of the testing of coal and products of coal preparation. Koks i khim. no.1:53-58 '64.
(MIRA 17:2)

1. Dneprodzerzhinskiy koksokhimicheskiy zavod (for Meniovich).
2. Ukrainskiy proyektno-konstruktorskiy i nauchno-issledovatel'skiy institut po obogashcheniyu i briketirovaniyu ugley (for Bondarenko, Skiba).

MENIOVICH, S.M.

Demonstration of linear measurements in the classroom. Fiz. v shkole 14 no.3:25-29 My-Je '54. (MLRA 7:7)

1. Geologo-razvedochnyy tekhnikum, g. Kiyev.
(Length measurements)

MENKOVICH, S.N.

MIKHAYLENKO, V.Ye., kandidat tekhnicheskikh nauk; MENKOVICH, S.N., inzhener.

Practical application of mechanical drawing. Politekh.obuch. no.4:45-50 Ap '57. (MIRA 10:7)
(Mechanical drawing--Study and teaching)

MENIOVICH, S.N.

MIKHAYLENKO, V.Ye., (Kiyev); MENIOVICH, S.N., (Kiyev)

Sketches and drawings used in the classroom instruction in physics. Fiz. v shkole 17 no.1:51-56 Ja-F '57. (MLRA 10:2)

(Physics--Study and teaching)

MIKHAYLENKO, V.Ye.; MENIOVICH, S.N.

Drawing as part of the curricula in technical education.
Politekh. obuch. no.9:78-80 S '58. (MIRA 11:10)
(Drawing--Instruction)

MENIOVICH, S.N. (g.Kiyev)

Linear and angular measurings. Politekh.obuch. no.5:57-60
My '59. (MIRA 12:7)
(Measuring instruments)

MENIROVSKIY, E.I., inzhener.

New one-bucket loaders. Stroi. i dor. mashinostr. 2 no.5:11-12 My '57. (MLRA 10:6)
(Earth moving machinery)

F MENIKOVSKIY, Ya.M. M

1444. BOILER BLOWDOWN AS METHOD OF DEALING WITH FOAMING OF BOILER WATER. Durov, S.A., Menikovskii, Ya. M. and Fesenko, N.G. (Zh. Prikład. Khim. (J. Appl. Chem.), Sept. 1951, vol. 24, 989-992). Results are given of tests in which half a litre of water containing sodium compounds in solution was boiled in a one litre iron vessel, pressure above the water was reduced by 300 mm of mercury in 10 seconds, and foaming was measured in millilitres of water carried over with the steam. The foaming effects of triple systems of sodium compounds at different relative strengths are shown in diagrams. The following conclusions are drawn. The foaming effect of a mixture of electrolytes dissolved in water is generally greater than the arithmetic mean of its components. Foaming is caused by inorganic colloids, both those with positive and those with negative charges. Sodium sulphate has a greater foaming effect than chloride. It is suggested that the practice of basing the amount of blowdown on chlorides or total salts in boiler water should be changed for one which takes triple or quadruple systems into account.

MENISHAKOV, P.G.; KUZNETSOV, G.S.

Method of formation of fistula of the bladder in cattle. Fiziol. zh. SSSR 39 no.4:496-497 July-Aug 1953. (CIML 25:1)

1. Department of Pharmacology and Department of General and Special Surgery, Leningrad Veterinary Institute.

BAZHANOVA, N.V.; MASLOVA, T.G.; POPOVA, I.A.; POPOVA, O.F.; SAPOZHNIKOV, D.I.; DYDEL'MAN, Z.M. Prinimali uchastiye: CHERNOMORSKIY, S.M.; MENITSKAYA, I.M.; SAPOZHNIKOV, D.I., otv. red.

[Plastid pigments of green plants and the methods of their study] Pigmenty plastid zelenykh rastenii i metodika ikh issledovaniia. Moskva, Izd-vo "Nauka," 1964. 119 p. (MIRA 17:7)

1. Akademiya nauk SSSR. Botanicheskiy institut. 2. Laboratoriya fotosinteza Botanicheskogo instituta im. V.L. Komarova AN SSSR (for all except Sapozhnikov).

MENITSKIY, D. N.

Electrocardiogramc in major diseases. N. G. Nikulin. Fel'd. i akush. no. 4:25 - 29 Ap '53

Simultaneous recording of three standard leads in electrocardiography D. N. Menitskii. Fiziol zhur. 39 no. 2:236 - 240 Mr - Ap '53

MENITSKIY, D.N.

Simultaneous registration of three standard leads in cardiography. Fiziol. zh. SSSR 39 no.2:236-240 Mar-Apr 1953. (CLML 24:3)

1. Department of Comparative Physiology and Pathology of Higher Nervous Activity of the Institute of Experimental Medicine of the Academy of Medical Sciences USSR, Leningrad.

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USSR/Medicine - Physiology

Card 1/1

Author : Menitskiy, D. N., reviewer (Leningrad)

Title : Review of 'Procedure in clinical electrography' (Tekhnika klinicheskoy elektrografii), by L. A. Vodolazskiy

Periodical : Fiziol.zhur. 2, 243-245, Mar/Apr 1954

Abstract : The reviewer states that although need for employment of instruments for recording bioelectric activity of the brain, heart, and muscles is now greater than ever before, it does not reflect the vigorous growth of electronics and electric recording devices in the country. This is due partially to absence of any kind of a manual which would throw some light on the subject. The book, therefore, has attracted great interest. Vodolazskiy states that he has written the book principally for electrophysiologists who study the normal and pathological bioelectric processes that take place in the human body. The reviewer thinks that although this manual may be useful to physiologists and physicians, the need for a more up-to-date book on techniques of electrophysiologic research still remains. The 203-page book was published 1952 by Medgiz, Moscow.

Institution :

Submitted :

MENITSKIY, D.N.

Simple methods of simultaneous recording of respiratory movements and bioelectric processes. Fiziol.zhur.40 no.1:94-96 Ja-F '54. (MLRA 7:2)

1. Otdel sravnitel'noy fiziologii i patologii v.n.d. instituta eksperimental'noy meditsiny Akademii meditsinskikh nauk SSSR, Leningrad. (Medical instruments and apparatus)

MENITSKIY, D.N.

Cybernetics in biology [with summary in English]. Biofizika 2 no.2:129-141 '57. (MLRA 10:6)

1. Institut eksperimental'noy meditsiny Akademii meditsinskikh nauk SSSR, Leningrad.
(CYBERNETICS) (BIOLOGICAL RESEARCH)

MENITSKIY, D. N.

AUTHOR: None Given

25-9-35/40

TITLE: On the Pages of Periodicals - "Biofizika" (Po stranitsam zhurnalov - "Biofizika")

PERIODICAL: Nauka i Zhizn', 1957, # 9, p 62 (USSR)

ABSTRACT: The periodical "Biofizika", volume 2, # 2, 1957, contains an article by D.N. Menitskiy dealing with the possibility of using cybernetics in biology. He arrives at the conclusion that cybernetics will not be able to substitute neither physiology nor biology, being but the connecting link between them and other exact disciplines of natural science.

AVAILABLE: Library of Congress

Card 1/1

MENITSKIY D.N.

GOLIKOV, N.V.; DANILOV, I.V.; MENITSKIY, D.N.

Electrophysiology of the central nervous system. Fiziol.zhur. 43 no.9:910-915 S '57. (MIRA 10:11)
(ELECTROPHYSIOLOGY)

MENITSKIY, D.N. (Leningrad)

Place of radioelectronics in physiologic research. Fiziol.. zhur. 45 no.6:740-745 Je '59. (MIRA 12:8)

(RADIO AND TELEVISION
radioelectronics, place in physiol. research (Rus))
(PHYSIOLOGY
place of radioelectronics in physiol. research (Rus))

29767
S/194/61/000/006/049/077
D201/D302

9,2570 (1144,1159)

AUTHOR: Menitskiy, D.N.

TITLE: The rating of differential amplifiers as used in electro-physiological research

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika, no. 6, 1961, 6, abstract 6 E34 (V sb. Elektronika v meditsine, M.-L., Gosenergoizdat, 1960, 143-148)

TEXT: The fundamental feature of bioelectric signal amplifiers is the selective amplification of biological voltages and attenuation of interference voltages. Since the interference voltage is induced at both electrode connectors in the same phase, the amplifiers are designed as balanced differential amplifiers. Evaluating the quality of the amplifier is made from a coefficient which in any case is related to the signal-to-noise ratio at the output of the amplifier for a given ratio of the assymmetrical to symmetrical signal at its input. Analysis and experiments show that the quali-

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The rating of differential...

ty of a differential stage may be determined from: 1) The rejection coefficient equal to the ratio of stage gain without feedback to that with feedback due to a large resistance in the cathode circuit; and 2) From the symmetry coefficient, i.e. from the magnitude referred to the input of out-of-phase signal, appearing at the output when an in-phase signal is applied to the input. Of the greatest importance is the quality of the input stage, including the design of the input circuit between the analyzed object and the amplifier (connector circuits). The values of noise attenuation coefficients which may be obtained are 10^5 - 10^6. It is appropriate to balance the interference voltage. 12 references / Abstracter's note: Complete translation /

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VARTANYAN, G.A.; MENITSKIY, D.N.

Method for the investigation of conditioned motor-defense reflexes in fish with recording of conditioned motor reactions. Zhur.vys. nerv.deiat. 10 no.6:918-921 N-D '60. (MIRA 14:1)

1. Otdel sravnitel'noy fiziologii i patologii Instituta eksperimental'noy meditsiny Akademii meditsinskikh nauk SSSR.
(CONDITIONED RESPONSE)

MENITSKIY, D. (Leningrad)

Phonoelectrocardiograph. Nauka i zhizn' 27 no. 4:68 Ap '60.
(MIRA 14:5)

(Electrocardiography) (Heart—Sounds)

VARTANYAM, G.A.; MERKULOV, V.L.; MENITSKIY, D.N.

Professor Norbert Wiener's (U.S.A.) report at the Institute of Experimental Medicine of the Academy of Medical Sciences of the U.S.S.R., July 22, 1960. Fiziol. zhur. 46 no.12:1518-1519 D '60. (MIRA 14:1)

(ELECTROENCEPHALOGRAPHY)

MENITSKIY, D.N. and LOVCHIKOV, V.A.,

Laboratory for Radioelectronics and Gybernetics, Institute of Experimental Medicine, Academy of Medical Sciences USSR, Leningrad - "Experimental study on conditioned probability computing in a nervous system" (9)

Report to be submitted for the 4th Intl. Conf. on Medical Electronics, New York, N.Y., 16-21 July 1961

MENITSKIY, D.N. (Leningrad)

Some results achieved and outlook for the use of electronics in experimental and clinical physiology. Fiziol. zhur. 47 no.1: 135-137 Ja '61. (MIRA 14:3)
(MEDICAL ELECTRONICS--CONGRESSES)

VARTANYAN, G.A.; MAGRACHEV, Ya.I.; MENITSKIY, D.N.

Simplified semiautomatic device for producing glass microelectrodes. Fiziol.zhur. 48 no.5:619-620 My '62. (MIRA 15:8)

1. Institut eksperimental'noy meditsiny AMN SSSR, Leningrad.
(ELECTROPHYSIOLOGY—EQUIPMENT AND SUPPLIES)

ANOKHIN, P.K., red.; KOSTYUK, P.G., red.; KRYZHANOVSKIY, G.N., red.; LEBEDINSKIY, A.V., red.; MENITSKIY, D.N., red.; MUZYKANTOV, V.A., red.; PARIN, V.V., red.; ROYTBAK, A.I., red.; KULLANDA, K.M., red.

[Contemporary problems of electrophysiological studies of the nervous system] Sovremennye problemy elektrofiziologicheskikh issledovanii nervnoi sistemy. Moskva, Meditsina, 1964. 519 p. (MIRA 17:7)

1. Akademiya meditsinskikh nauk SSSR, Moscow.

MENITSKIY, D.N.; BELEKHOVA, M.G.; ZAGORUL'KO, T.M.

Separation of physiological factors from physical factors in the leading off of evoked potentials in the central nervous system of lower vertebrates. Fiziol. zhur. 50 no.5:637-640 My '64.
(MIRA 18:2)

1. Otdel sravnitel'noy fiziologii Instituta eksperimental'noy meditsiny AMN SSSR i Laboratoriya sravnitel'noy fiziologii imeni Sechenova AN SSSR, Leningrad.

L 00153-66
ACC NR: AP6018861 SOURCE CODE: UR/0239/65/051/009/1128/1130

AUTHOR: Bundzen, P.V.; Magrachev, Ya.I.; Menitskiy, D.N.; Ryaev, V. S.

ORG: Institute of Experimental Medicine, Leningrad (Institut eksperimental'noy meditsiny AMN SSSR)

TITLE: Method of feedback light stimulation for investigation of the functional state of the central nervous system

SOURCE: Fiziologicheskiy zhurnal SSSR, v. 51, no. 9, 1965, 1128-1130

TOPIC TAGS: central nervous system, EEG, neurophysiology, brain

ABSTRACT: T. Mulholland and S. Runnals (EEG and Clin. Neurophysiol, 14, 6, 847, 1962) proposed that in neurophysiological investigations by the feedback technique a filter attuned to the alpha-rhythm of the EEG, and a switch-off system be used. If stimulation by a light source is applied, appearance of alpha-activity in the EEG then results in automatic switching on of a light source flashing at a frequency corresponding to that of the alpha-oscillations, while blocking or desynchronization of the alpha-waves produces switching off of the light source. An apparatus operating on this principle was designed. It is used in studies of autoregulation of the brain activity under normal and pathological conditions and may prove of particular value in experiments with animals which do not have a stable alpha-rhythm. Orig. art. has: 2 figures. [JPRS]

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UDC: 612.821.83.08

MENITSKIY, D.N. (Leningrad)

Simulation as a method of study in neurophysiology and neurocybernetics. Vest. AMN SSSR 21 no.1:10-20 '66.
(MIRA 19:1)

MENITSKIY, I.D.

Grinding cutting tools in batch production. Mash.Bel. no.5: 143-147 '58. (MIRA 12:11)
(Grinding and polishing)

MENITSKIY, I.D.

Modernization of the universal tool-grinding machine. Mashinostroitel' no.2:23 F '62. (MIRA 15:2)
(Grinding machines--Technological innovations)

KONNIKOV, M.N.; MENITSKIY, I.D.

Semiautomatic machine for grinding scissors. Mashinostroitel' no.5:11 My '60. (MIRA 14:5)

(Grinding machines)